

AMENDMENTS TO THE CLAIMS

1. (currently amended) A surge suppression and protection device for use with electrical equipment and devices and data communication lines having a first conduction path and a second conduction path, the surge suppression and protection device comprising:

a) ~~a first~~ an inner coil ~~and wound substantially inside an outer a second~~ coil ~~disposed in close proximity to one another~~, the inner ~~first~~ coil having a first winding, the outer ~~second~~ coil having a second winding, the first and second windings placed at substantially a 90 degree ~~an~~ angle to one another, the inner ~~first~~ coil connected in series with the first conduction path and the outer ~~second~~ coil connected in series with the second conduction path, and

b) at least one surge element connected between the first conduction path and the second conduction path.

2. (canceled).

3. (canceled).

4. (currently amended) The surge suppression and protection device of claim 1, wherein the outer ~~first~~ coil second ~~first~~ winding substantially surrounds the inner ~~second~~ coil first ~~second~~ winding.

5. (canceled).

6. (canceled).

7. (previously presented) The surge suppression and protection device of claim 1, wherein the multitude of surge elements are chosen from the group consisting of metal oxide varistors, avalanche diodes and gas tubes.

8. (previously presented) The surge suppression and protection device of claim 7, wherein a metal oxide varistor is employed for each of the first and second coils.

9. (previously presented) The surge suppression and protection device of claim 1, wherein the electrical equipment and devices are connected to an electrical power line having a phase chosen from the group consisting of single, two and three phase lines.

10. (original) The surge suppression and protection device of claim 1, wherein the device is connected directly to an AC electrical receptacle.

11. (original) The surge suppression and protection device of claim 1, wherein the device is completely enclosed within a box having a housing.

12. (original) The surge suppression and protection device of claim 11, wherein the box comprises an AC plug mounted on a back side of the housing for inserting within an AC receptacle of a power line and at least one AC receptacle mounted on the box housing such that it is accessible for receiving a plug of an electrical device.

13. (original) The surge suppression and protection device of claim 12, wherein the box further comprises a switch mounted on the housing for providing an on/off toggle for the surge suppression and protection device.

14. (original) The surge suppression and protection device of claim 11, wherein the box comprises a plurality of terminals for hard-wiring electrical equipment or devices or data communication lines directly to the surge suppression and protection device.

15. (currently amended) A surge suppression and protection device for use with electrical equipment and devices and data communication lines having a first conduction path and a second conduction path, the surge suppression and protection device comprising:

a) a first coil and a second coil, ~~disposed in close proximity to one another~~ the first coil connected in series with the first conduction path and the second coil connected in series with the second conduction path, a bottom surface of the first coil touching a top surface of the second coil, and windings of the first coil and windings of the second coil placed at an angle of substantially 90 degrees to one another,

b) at least one surge element selected from the group consisting of a plurality of metal oxide varistors, avalanche diodes and gas tubes, the at least one surge element connected between the first conduction path and the second conduction path.

16. (canceled).

17. (canceled).

18. (currently amended) The surge suppression and protection device of claim 15, wherein the ~~second coil has a~~ top surface of the second coil and the bottom surface of the first coil is ~~disposed upon the top surface of the second coil~~ separated by a small air space.

19. (canceled).

20. (previously presented) The surge suppression and protection device of claim 15, wherein the electrical equipment and devices are connected to an electrical power line having a phase chosen from the group consisting of single, two and three phase lines.

21. (original) The surge suppression and protection device of claim 15, wherein the device is completely enclosed within a box having a housing.

22. (original) The surge suppression and protection device of claim 21, wherein the box comprises an AC plug mounted on a back side of the housing for inserting within an AC receptacle of a power line, at least one AC receptacle mounted on the housing such that it is accessible for receiving a plug of an electrical device and a switch mounted on the housing for providing an on/off toggle for the surge suppression and protection device.

23. (original) The surge suppression and protection device of claim 21, wherein the box comprises a plurality of terminals for hard-wiring electrical equipment or devices or data communication lines directly to the surge suppression and protection device.

24. (new) The surge suppression and protection device of claim 1, wherein the outer coil second winding substantially surrounds the inner coil first winding and the inner coil first winding has an air core.

25. (new) The surge suppression and protection device of claim 15, wherein the windings of the first coil are disposed on an air core and the windings of the second coil are disposed on an air core.